

## REMARKS

Early consideration and allowance in view of the foregoing amendments and the following remarks are respectfully requested.

Claims 1-47 remain pending in the present application.

A Drawing Change Authorization Request is submitted herewith to replace Fig. 5 with Figs. 5A and 5B. No new matter has been added. It became necessary to separate original, informal Fig. 5 into Figs. 5A and 5B in order to comply with current Patent Office standards regarding drawings. Namely, the entire subject shown in informal Fig. 5 could not be illustrated in a single page and still comply with the rules regarding formal drawings. Accordingly, original, informal Fig. 5 has been separated into two figures (Figs. 5A and 5B) for formal drawing purposes. Applicant respectfully requests that the amendments to the figures be approved.

The specification has been amended above to identify original Fig. 5 as Figs. 5A and 5B due the need to change in Fig. 5 into Figs. 5A and 5B. As noted above, this change to Fig. 5 is provided in order to comply with current Patent Office standards. Accordingly, applicant respectfully requests that the amendments to the specification be approved.

Attached hereto is a marked-up version of the changes made to the specification. The attached pages are entitled "Version With Markings to Show Changes Made."

BOWEN et al. -- Appln. No.: 09/698,743

It is respectfully submitted that the present application is in condition for allowance and a Notice to the effect is earnestly solicited.

Respectfully submitted,

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Attached: 1) Marked-up version of the title, abstract specification, and claims entitled, "Version With Markings to Show Changes Made."

**VERSION WITH MARKINGS TO SHOW CHANGED MADE**

**In the Specification:**

Paragraph beginning at page 15, line 14, as been amended as follows:

Figs. 5A and 5B ~~are~~ is a schematic diagrams illustrating an alternative embodiment for the storage areas in the information storage device of the present invention;

Paragraph beginning at page 25, line 6, as been amended as follows:

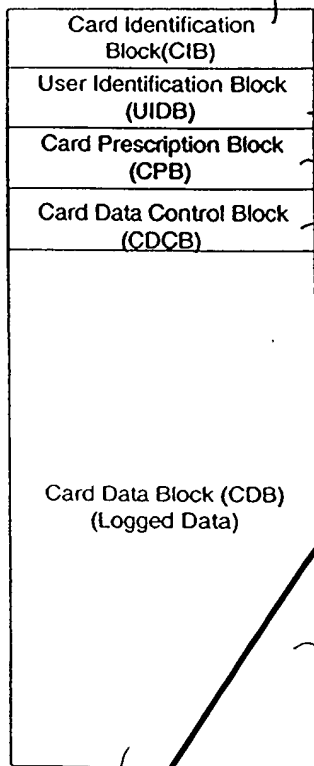
In the illustrated embodiment, card identification block 76 includes a brand identification block 82 that contains information identifying the company associated with the card, such as the company that produced the card or that had the card produced on their behalf. A card type block 84 contains information identifying the type of information storage device. As noted above, information storage device 34 is a "prescription card" in that it only contains information for setting the operating parameters of the pressure support device. The present invention, however, contemplates the existence of other types of information storage devices, such as a "data/prescription card" shown in Figs. 5A and 5B and described in detail below, that can store data received from the pressure support system, as well as contain information for setting the operating parameters of the pressure support device. The type of card, e.g.,

"prescription card", "data/prescription card", or other type of card is identified in card type block 84.

Paragraph beginning at page 38, line 16, has been amended as follows:

Figs. 5A and 5B ~~are~~ is a detailed schematic diagrams illustrating another exemplary embodiment of an information storage device 34' for use in the pressure support system of the present invention. Information storage device 34' is similar to information storage device 34 of Fig. 3, except that information storage device 34' includes a data storage area 134. Information storage device 34' in Figs. 5A and 5B is referred to as a "prescription/data card" because it contains information for setting the operating parameters of the pressure support device, and can also receive data, such as compliance data regarding the use of the pressure support device. Information storage device 34' includes the following data storage areas: (1) a card identification block 76' that contains information describing the information storage device itself, (2) a user identification block 78' that contains information identifying a user to which information storage device 34 is assigned, (3) a card prescription block 80 contains prescription information for use in controlling the operation of the pressure support system, such as the prescription pressure to be provided by the pressure support system, and (4) a card data control block 136.

Fig. 5



RI Brand	Unique Pattern to identify a Resprionics Card
Card Type	Card Type 0 is the standard data-prescription card. Additional card type can be added to perform new functions (i.e. a card may contain application code).
Format of CIB	Identifies the card layout - Format 0 describes layout defined within
Start Addr - UIDB	Size of card storage is calculated based on the addresses given. All Addresses on the card are stored MSB, LSB (addresses are 16 bit quantities).
End Addr - UIDB	
Start Addr - CPB	
End Addr - CPB	
StartAddr - CDCB	
End Addr - CDCB	
Start Addr - CDB	
End Addr - CDB	
Block Check	

Version of UIDB	Version 2 identifies the following layout. NOTE: Version must ALWAYS be located in first byte
Personal User ID (i.e. SSN)	Unique ID
Patient Name Field	25 Chars First Name 25 Chars Last Name
Unit Serial Number	Contains SN of the Last unit the card was inserted into.
Unit Mode Number	Contains MN of the Last unit the card was inserted into.
Optional data	Null terminated string. Data that can be used by the device to display any message. Version 1 limits this to 32 bytes.
Block Check	

Prescription Version	Version 0 defines the following layout. NOTE: Version must ALWAYS be located in first byte
Prescription Type	0: Cpap 1: Auto Titration 2: BiLevel 0x0f: No Prescription - present after a format of the card
Prescription Format Code	Identifies the format of the prescription.
Erase Permission	0: Do Not Erase Prescript 1: Erase
Prescription Ready for Use	0: Prescription Erased 1: Prescription Valid for use
byte 0 - byte n Described in attached tables (see Prescription tables)	(See Figure. 4)
Block Check	

Version of CDCB	Specifies the layout of the CDCB. The layout defined here is version 0. NOTE: Version of CDCB must ALWAYS be located in first byte and ver of CDB in second.
Version of CDB	Specifies the layout of the CDB. To allow for flexibility in the method and type of data storage, a 0x0f in this field indicates No Version. The unit will set the version of the data upon insertion.
Block Check of Version Numbers	This is here to allow a check of the version numbers. It is not of the entire block because each Control Block has a block check - and each time they are updated the main Block Check would also need updated.

Control Block 1
Control Block 2

U_BYTE	Validity Flag
U_INT16	Head Pointer
U_INT16	Tail Pointer
U_BYTE	Block Check

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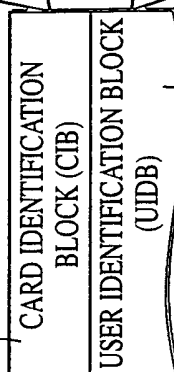
76'

RI BRAND	UNIQUE PATTERN TO IDENTIFY A RESPIRONICS CARD
CARD TYPE	CARD TYPE 0 IS THE STANDARD DATA/PRESCRIPTION CARD ADDITIONAL CARD TYPE CAN BE ADDED TO PERFORM NEW FUNCTIONS (i.e. CARD MAY CONTAIN APPLICATION CODE).
FORMAT OF CIB	IDENTIFIES THE CARD LAYOUT-FORMAT 0 DESCRIBES LAYOUT DEFINED WITHIN
START ADDR-UIDB	SIZE OF CARD STORAGE IS CALCULATED BASED ON THE ADDRESSES GIVEN. ALL ADDRESSES ON THE CARD ARE STORED MSB, LSB (ADDRESSES ARE 16 BIT QUANTITIES).
END ADDR-UIDB	
START ADDR-CPB	
END ADDR-CPB	
START ADDR-CDCB	
END ADDR-CDCB	
START ADDR-CDB	
END ADDR-CDB	
BLOCK CHECK	

84'

88'

76'



VERSION OF UIDB	VERSION 2 IDENTIFIES THE FOLLOWING LAYOUT. NOTE: VERSION MUST ALWAYS BE LOCATED IN FIRST BYTE
PERSONAL USER ID (i.e. SSN)	UNIQUE ID
PATIENT NAME FIELD	25 CHARS FIRST NAME
UNIT SERIAL NUMBER	25 CHARS LAST NAME
UNIT MODEL NUMBER	CONTAINS SN OF THE LAST UNIT THE CARD WAS INSERTED INTO.
OPTIONAL DATA	CONTAINS MN OF THE LAST UNIT THE CARD WAS INSERTED INTO.
BLOCK CHECK	NULL TERMINATED STRING. DATA THAT CAN BE USED BY THE DEVICE TO DISPLAY ANY MESSAGE. VERSION 1 LIMITS THIS TO 32 BYTES.

78'

140

142

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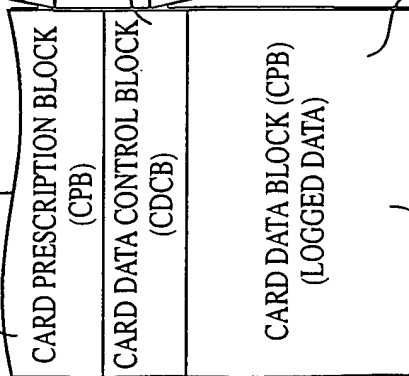
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FIG. 5A

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FROM FIG. 5A

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PRESCRIPTION VERSION	VERSION 0 DEFINES THE FOLLOWING LAYOUT. NOTE: VERSION MUST ALWAYS BE LOCATED IN FIRST BYTE
PRESCRIPTION TYPE	0: CPAP 1: AUTO TITRATION 2: BILEVEL
PRESCRIPTION FORMAT CODE	0XFF: NO PRESCRIPTION-PRESENT AFTER A FORMAT OF THE CARD IDENTIFIES THE FORMAT OF THE PRESCRIPTION.
ERASE PERMISSION	0: DO NOT ERASE PRESCRIPT 1: ERASE
PRESCRIPTION READY FOR USE	0: PRESCRIPTION ERASED 1: PRESCRIPTION VALID FOR USE
BYTE 0 - BYTE N DESCRIBE IN ATTACHED TABLES (SEE PRESCRIPTION TABLES)	(SEE FIGURE 4)
BLOCK CHECK	
VERSION OF CDCB	SPECIFIES THE LAYOUT OF THE CDCB. THE LAYOUT DEFINED HERE IS VERSION 0. NOTE: VERSION OF CDCB MUST ALWAYS BE LOCATED IN FIRST BYTE AND VER OF CDCB IN SECOND.
VERSION OF CDCB	SPECIFIES THE LAYOUT OF THE CDB. TO ALLOW FOR FLEXIBILITY IN THE METHOD AND TYPE OF DATA STORAGE, A 0XFF IN THIS FIELD INDICATES NO VERSION. THE UNIT WILL SET THE VERSION OF THE DATA UPON INSERTION.
BLOCK CHECK OF VERSION NUMBERS	THIS IS HERE TO ALLOW A CHECK OF THE VERSION NUMBERS. IT IS NOT OF THE ENTIRE BLOCK BECAUSE EACH CONTROL BLOCK HAS A BLOCK CHECK-AND EACH TIME THEY ARE UPDATED THE MAIN BLOCK WOULD ALSO NEED UPDATED.
CONTROL BLOCK 1	
CONTROL BLOCK 2	

U_BYTE	VALIDITY FLAG
U_INT16	HEAD POINTER
U_INT16	TAIL POINTER
U_BYTE	BLOCK CHECK

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FIG. 5B